



PATENT  
8007-1105

**IN THE U.S. PATENT AND TRADEMARK OFFICE**

In re application of

Toru YANO et al.

Conf. 1688

Application No. 10/566,258

Group 1795

Filed January 30, 2006

Examiner Martin J. Angebranndt

CYANINE COMPOUNDS, OPTICAL RECORDING  
MATERIALS AND OPTICAL RECORDING MEDIA

**DECLARATION UNDER RULE 132**

Assistant Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

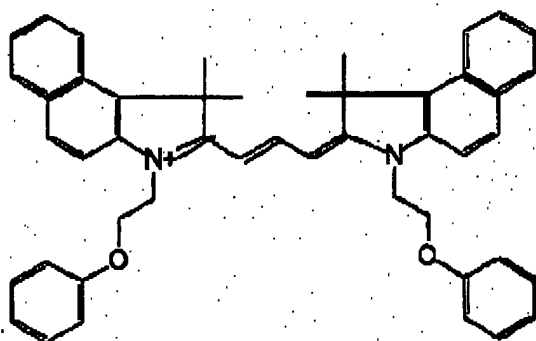
1. I, Toru YANO, a named inventor, am a citizen of Japan and reside at c/o ADEKA CORPORATION, 2-35, Higashiogu 7-chome, Arakawa-ku, Tokyo 116-8554 Japan.

2. I am familiar with the above-identified U.S. patent application, its prosecution before the United States Patent and Trademark Office, and the applied references of JP '510 (JP 2000-108510), HAMADA et al. (JP 2000-168233), JP '335 (JP 2000-289335), JP '426 (JP 10-278426), the abstract of JP '793 (JP 03-224793) and JP '746 (JP 58-021746).

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3. In order to demonstrate the unexpected results of the present invention, I am submitting the following comparative data and observations.

A  $\text{PF}_6^-$  salt of compound number 2 of HAMADA et al. was evaluated to determine the thermal decomposition temperature thereof in the same manner as in the Evaluation Example of the present specification. The result shows that the thermal decomposition temperature of the compound was 259.0 °C.

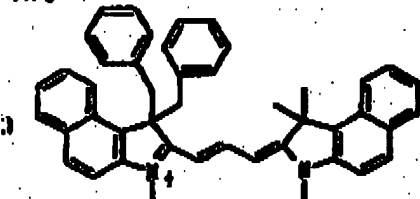


HAMADA et al. No. 2

In contrast, the thermal decomposition temperature of the  $\text{PF}_6^-$  salt of compound 12 of the present invention was, as disclosed in Table 1 of the present specification, 233.5 °C.

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Compound No. 12



Present Invention. No. 12

As apparent from the descriptions at page 4, lines 7-9 and from page 1, last line to page 2, line 2 of the present specification, the object of the present invention is to provide a cyanine compound which has low decomposition temperatures and is therefore suited to an optical recording material.

As shown above, compound 12 of the present invention has a lower decomposition temperature than compound 2 of HAMADA et al., and consequently is more suitable as an optical recording material fit for high-speed recording.

As a result, the present invention clearly shows advantages and unexpected results over the prior art typified by HAMADA et al.

4. I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United

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States code and that such willful false statements may  
jeopardize the validity of the application or any patent issuing  
thereon.

Date Mar. 13, 2008

Toru Yano  
Toru YANO